

X-ray Statistics for cycle starting on 6 November 2005

Operations

Scheduled operations	312	[hr]
Expected number of scheduled fills	27	
Fills completed as scheduled (start and finish)	19	
Anticipated Fill Budget (45 min. per fill)	20	[hr]
Anticipated Operating Beam Available	292	[hr]
Total fill time during scheduled operations	17	[hr]
Delivered beam during scheduled operations	290.2	[hr]
Total beam available (including unscheduled ops)	323.1	[hr]

Disruption Statistics over consolidated operating hours

Number of disruptions	6	
Total lost operations time	4.5	[hr]
Average time between disruptions	42.1	[hr]
Minimum time between disruptions	10.5	[hr]
Maximum time between disruptions	71.6	[hr]
Standard Deviation	22.3	[hr]

UV Statistics for cycle starting on 06 November 2005

Operations

Scheduled operations	380	[hr]
Expected number of scheduled fills	110	
Fills completed as scheduled (start and finish)	109	
Anticipated Fill Budget (5 min. per fill)	9.167	[hr]
Anticipated Operating Beam Available	370.8	[hr]
Total fill time during scheduled operations	6.8	[hr]
Delivered beam during scheduled operations	372.3	[hr]
Total beam available (including unscheduled ops)	426.3	[hr]

Disruption Statistics over consolidated operating hours

Number of disruptions	4	
Total lost operations time	0.9	[hr]
Average time between disruptions	76.0	[hr]
Minimum time between disruptions	31.3	[hr]
Maximum time between disruptions	173.4	[hr]
Standard Deviation	56.3	[hr]

Summary for Cycle starting 6 November 2005

Fill Statistics	X A	U A		X B	U B		X X	U X		X X	U X		X A	U A
Cycle Starting 6 November 2005	6 Nov			13 Nov			20 Nov			27 Nov			Cycle Ave	
Planned number of User Fills	14	47		11	37		2	26		0	0		6.8	28
Total Number of User Fills	14	47		11	37		2	25		0	0		6.8	27
Fills to scheduled completion	10	46		8	38		1	25		0	0		4.8	27
Dumps during Operations	2	2		3	0		1	0		0	0		1.5	0.5
Average Time between Faults [hr]	45			77			17			168			77	
Faults Requiring Repairs	1			2			0			0			0.8	
Average Time to Recover [min]	81			22			8			0			28	
Average User Fill Time [min]	40			39			29			0			27	

Note: Average time between faults calculated on weekly basis. By convention a no fault week can have no more than 168 hours between faults.

Fault Abstract for Cycle starting 6 November 2005

Week				Category
11/6	11/13	11/20	11/27	
0.7	0.1	0	0	VUV Downtime
0	0	0	0	VUV Regulation and Compliance Downtime
3.63	0.85	0	0	X-Ray Downtime
0	0	0	0	X-Ray Regulation and Compliance Downtime
9.5	1.08	0.09	0	Equipment Downtime

X-ray DT				Type of Problem
0.36				RF Trip
1.92				X1 Gap Control
	0.53			Power Supply Glitch (XSXD)
	0.32			X-25 AI Trip
1.35				Power Dip
3.63	0.85	0	0	

VUV DT				Type of Problem
0.27	0.13			RF Trip
0.05				UV Database Micro
0.40	0.13			Power Dip
0.72	0.3	0	0	